

WHAT IS CLAIMED IS:

1. A method enabling a programmer to view and enter source code on a computer system that includes at least a CPU, memory, comprising the following steps:

5 (a) in realtime, examining each programmer input to identify an entered character as an opening trigger token;

(b) upon recognizing said trigger token, creating a new sub-document for which there is displayed an opening boundary token and a closing boundary token, said sub-document associated with at least one special property relevant
10 to said trigger token

(c) placing a cursor in a representation of said sub-document viewable on a monitor coupleable to said computer system, said cursor appearing between said opening boundary token and said closing boundary token;

(d) entering subsequent programmer input into said sub-document and
15 displaying entered said programmer input in a view of said sub-document on said monitor; and

(e) cursoring beyond a said boundary token to exit said sub-document and return to said outer document.

20 2. The method of claim 1, wherein step (d), includes preventing said programmer from deleting a single said boundary token unless said sub-document is empty, wherein said deleting results in deletion of each said boundary token.

25 3. The method of claim 1, wherein step (d) includes protecting a pair of boundary tokens by preventing said programmer from a deletion that would unbalance tokens in said pair of boundary tokens.

30 4. The method of claim 1, wherein at step (d) if said programmer attempts to delete a boundary token and said sub-document is not empty, said cursor is simply moved over said boundary token.

5. The method of claim 1, wherein step (e) is executed by said CPU to render substantially transparent to said programmer transition between said sub-document and said outer document.

5 6. The method of claim 1, wherein said sub-document is created by a specialized sub-editor able to apply different language rules for different languages used by said programmer.

10 7. The method of claim 1, wherein said sub-document is created by a specialized sub-editor able to apply different stylistic rules for different languages used by said programmer.

15 8. The method of claim 1, wherein said sub-document is created by a specialized sub-editor able to apply different commands for different languages used by said programmer.

20 9. The method of claim 1, wherein step (d) upon detection of a manually input closing trigger token, said cursor is moved beyond a boundary token and said sub-document is exited.

10. A computer-readable medium for data storage wherein is located a computer program for causing a computer system having at least a CPU and memory, upon execution of said program, to enable a programmer to view and enter source code on said computer system by:

25 (a) in realtime, examining each programmer input to identify an entered character as an opening trigger token;

(b) upon recognizing said trigger token, creating a new sub-document for which there is displayed an opening boundary token and a closing boundary token, said sub-document associated with at least one special property relevant to said trigger token

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(c) placing a cursor in a representation of said sub-document viewable on a monitor coupleable to said computer system, said cursor appearing between said opening boundary token and said closing boundary token;

5 (d) entering subsequent programmer input into said sub-document and displaying entered said programmer input in a view of said sub-document on said monitor; and

(e) cursoring beyond a said boundary token to exit said sub-document and return to said outer document.

10 11. A computer system having at least a CPU, memory, and a monitor, to view source code input by a programmer into said computer system, comprising:

an editor system to examine each programmer input to identify an entered character as an opening trigger token;

15 a sub-editor system that upon editor-recognition of said trigger token, creates a new sub-document for which there is displayed on said monitor an opening boundary token and a closing boundary token and a viewable cursor therebetween, said sub-document associated with at least one special property relevant to said trigger token;

20 said sub-editor system entering subsequent programmer input into said sub-document and displaying entered said programmer input in a view of said sub-document on said monitor;

said sub-editor system causing programmer cursoring beyond a said boundary token to exit said sub-document and return to said outer document.

25 12. The system of claim 11, wherein said sub-editor system includes at least one recursively embeddable sub-editor.

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